





Applicable standard					
Rating	Operating temperature range	-35 °C to +85 °C(Note 1)	Storage temperature range	-10°C to +60 °C(Note 3)	
	Operating humidity range	20% to +80%(Note 2)	Storage Humidity range	40% to + 70%(Note 3)	
	Voltage	150 V AC/DC	Current	AWG 26 : 2.5A  AWG 28 : 2.0A AWG 30 : 1.0A	
	Applicable cable	26 - 30 AWG			
Specifications					
Item		Test method	Requirements	QT	AT
Construction					
General examination		Visually and by measuring instrument.	According to drawing.	X	X
Marking		Confirmed visually.		X	X
Electric characteristics					
Contact resistance millivolt level method		20mV MAX, 1mA (DC OR 1000Hz).	30 mΩ MAX.	X	—
Mechanical characteristics					
Contact insertion and extraction force		<input type="checkbox"/> 0.35±0.002mm by steel gauge.	Insertion force : 3.0N MAX. Extraction force : 0.3N MIN.	X	—
Mechanical operation		50 times insertions and extractions.	①Contact resistance: 30 mΩ max. ②No damage, crack or looseness of parts.	X	—
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2 h, for 3 directions.	①No electrical discontinuity of 1 μs. ②No damage, crack or looseness of parts.	X	—
Shock		490 m/s ² duration of pulse 11 ms at 3 times for 3 directions.	①No electrical discontinuity of 1 μs. ②No damage, crack or looseness of parts.	X	—
Environmental characteristics					
Rapid change of temperature		Temperature -55→ 5 to 35→+85→ 5 to 35 °c Time 30→ 10 to 15→ 30→ 10 to 15 min. Under 5 cycles. (The transferring time of the tank is 2 to 3 MIN) (After leaving the room temperature for 1 to 2h.)	①Contact resistance: 30 mΩ MAX. ②No damage, crack or looseness of parts.	X	—
Damp heat (Steady state)		Exposed at 40 ± 2 °c, 90 to 95 %, 96 h.	①Contact resistance: 30 mΩ MAX. ②No damage, crack or looseness of parts.	X	—
Remarks					
Note 1:Including the temperature rise by current Note 2:No condensing. Note 3:Apply to the condition of long term storage for unused products before mounted on PCB. After mounted on PCB, operation temperature and humidity range is applied for interim storage during transportation.					
	Count	Description of revisions	Designed	Checked	Date
	1		HT. SATO	SZ. ONO	20181108
Unless otherwise specified, refer to IEC 60512.			Approved	TS. SAKATA	20090915
			Checked	TS. FUKUSHIMA	20090914
			Designed	KT. ISHII	20090911
			Drawn	YK. NAKATSU	20090908
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC4-071220-06	
	SPECIFICATION SHEET		Part No.	DF13-2630SCFA (04)	
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